USER MANUAL

180W LED Moving Spot + 12*9W LED Moving Wash

HT-LM-180SW

This manual contains important information.
Please read before operating fixture.

1 SECURITY TIPS

WARNING!!! To reduce the risk of fire, electric shock, or injury to persons, follow these important safety instructions:

- Non-professionals are not to disassemble the moving head LED unit and lighting accessories inside.
- Rated voltage range: AC110V-120V/60Hz or AC200V-240V / 50HZ (to be selected).
- The unit should not be placed near flammable materials and should maintain at least 1M distances from its projection area.
- The moving head should only be used in ambient temperature: -15c > 40c, the highest temperature of the surface of the lamp: 60c.
- To keep away from the liquid substance and humid environment.
- Before using the moving head please ensure a good earth is fitted.
- The installation of the moving heads, you must check fixing screw fasteners with additional security cable and a regular inspection done.
- LED consecutive working hours is not recommended for more than 10 hours per time.
- Moving head should not be used in time when unusual conditions are in play.
- Moving head should be regular inspected of the rotation, external accessories and paste parts, in a timely manner to prevent accident or damage to the unit or persons.
- Moving head fans should be checked weekly as it is easy to accumulate the dust, so weekly cleaning of especially the cooling air opening and fans, otherwise unit my over heat and cause damage.

Warranty Card

Name	Model	Production	Purchase

End User	Sale Store
Company Name: Add:	Link man: Tel: Stamp

Description: These must be truthfully fill, seal by the end-user and point-of-sale, or else the warranty will not work (warranty period and terms, see the following)
warranty period：one year since purchase warranty terms：1、If fail when using the product in normal state, you can made under the provisions of the warranty, show the warranty card and purchase bills(copy), and enjoy free maintenance service in a specific service center or the manufacturer.
2. The following will be the implementation of paid service:
(1)Without the effective warranty card
(2)There's blank, alter and no point-of-sale name
(3)Fail caused by something can not resistance
(4)Fail caused by transportation or unloading
(5)Fail caused by not operate by manual
(6)Fail caused by disassemble without unauthorized
(7)Fail caused by using the unauthorized control system

Note:

Based on our company continue to improve the product, the statement containing data may have changed, and will not notice the change any more. Company retains its right to change specifications related when product is improved. Thanks for your understanding.

2 TECHNOLOGY REFERENCE

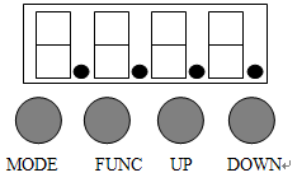
1. Voltage：AC220-240V/110-120V/50~60Hz
2. Power consumptions：320w
3. Profile LED Source: Ultra bright LED180W
4. Wash LED Source: 12x 9w tri RGB with individual DMX controls
5. Product size: 58 x 35.5 x 42cm；Package size:67 x 41.5 x 48cm
6. N.W: 16Kg; G.W: 18Kg

3 FUNCTIONS INTRODUCTION

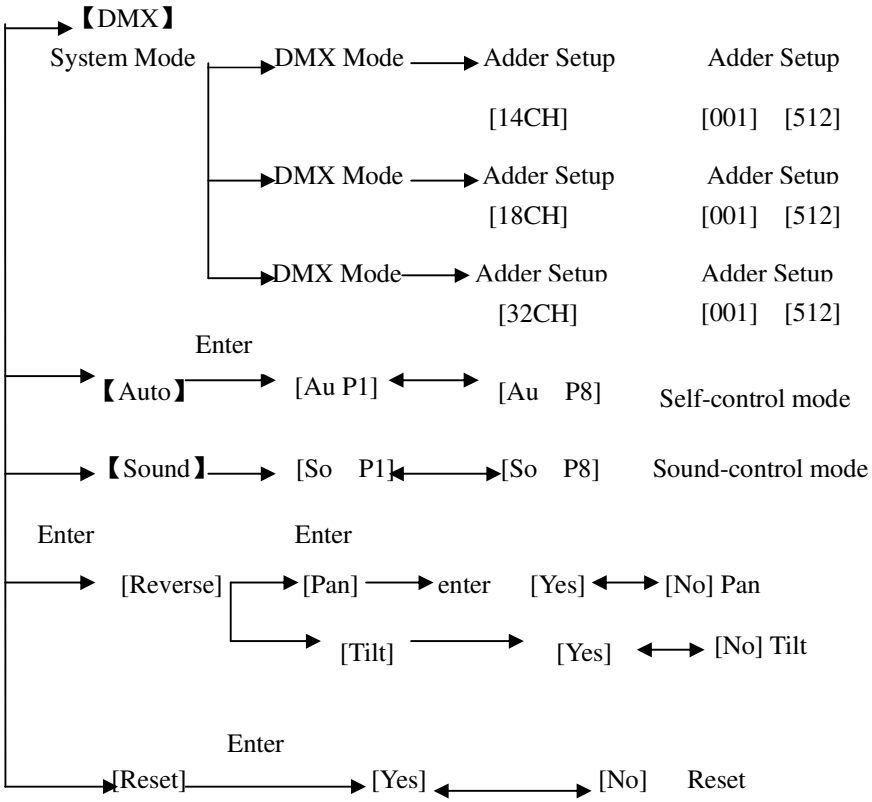
1. International universal control signal: DMX512
2. 32/18/14 DMX channels
3. Digital display
4. DMX, Sound, Auto, Slave/Master
5. 2 Gobos wheels: Fixed gobo wheel & Rotating gobo wheel (7 inter changeable quick clip gobos+open)
6. Color wheel: 7 main colors+open with the rainbow effect
7. Focus: Electronic Focus
8. Iris: Adjustable Iris
9. Prism: 3 Face Rotating Prism
10. Gobo Indexing
11. DMX Connectors: 3 pin XLR connector in and out
12. Center Beam Angle: 15°
13. LED Beam Angle: 45°（25°）
14. Super low noise fans
15. Program inside ,Adjustable flash frequency

4 DISPLAYCODE SETTING METHOS

180W Spot and Wash Mixing Moving head button



MENU



7 CLEANING

To make sure the stable run of the moving head, you should keep it clean. All fans, lens and color filters, do not use any soluble detergent when cleaning the color filter avoiding the damage to LED..

8 AFTER SERVICE

1. our company offer technical consultation to customers.
2. If the machine is wrong and need repairmen, please truthfully fill in the related content and feedback us the problems timely, as well as we have to improve the product.
3. In addition to stage light, also matching accessories are as follows：

accessories：1x Power cable
1x Signal cable
1x Users manual
2x Hanging Bracket

6 DIFFICULTY RESOLUTION

The following is a list of problems and resolutions, should only be preformed by professionally qualified staff.

1. Bulb not working
   a) Check whether approaching the service life of LED, then change it
   b) Check whether LED circuitry is not loss or connect poorly
2. Beam appears flash or is patchy
   a) The LED maybe approach the service life, then change it, or the optical components are unclean.
   b) LED has an accumulation of dust, so the LED and other parts inside the lamp should be cleaned and maintained in regular period.
3. LCD Display works intermittently
   a) Check whether the fan running
   b) Check inner temperature-response control plug is off
   c) Check whether the circuitry is good and contacted properly
4. The computer lamp not controlled by controller during lighting
   a) Check numeral starting address and the connection of communication control circuit
   b) The corresponding channel button of controller is open or not
   c) Check whether the fuse on power supply input jack is broken off

5 DMX CHANNEL SHEET

Channel Mode

14CH	18CH	32CH	Function	Channel Value	Function
CH1	CH1	CH1	Pan	0-255	0-450°
CH2	CH2	CH2	Tilt	0-255	0-270°
		CH3	Pan Fine	0-255	Pan Fine
		CH4	Tilt Fine	0-255	Tilt Fine
CH3	CH3	CH5	X, Y speed Adjustment	0-255	From fast to slow
CH4	CH4	CH6	Profile Dimmer	0-255	From dark to bright
CH5	CH5	CH7	Profile Strobe	0-7 8-250 251-255	Turn on Strobe from fast to slow Turn off
CH6	CH6	CH8	Color: 7colors+ open	0-15 16-31 32-47 48-63 64-79 80-95 96-111 112-127 128-255	Open Color 1 Color 2 Color 3 Color 4 Color 5 Color 6 Color 7 Color flow from fast to slow
CH7	CH7	CH9	7 Static Gobos + Open	0-7 8-15 16-23 24-31 32-39 40-47 48-55 56-63 64-71 72-79	Open Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Gobo 7 shake speed from slow to fast Gobo 6 shake speed from slow to fast

	CH7			80-87 88-95 96-103 104-111 112-119 120-127 192-255	Gobo 5 shake speed from slow to fast Gobo 4 shake speed from slow to fast Gobo 3 shake speed from slow to fast Gobo 2 shake speed from slow to fast Gobo 1 shake speed from slow to fast Open Gobo positive and negative running from slow to fast
CH8	CH8	CH10	7 Rotating Gobos + Open	0-15 16-31 32-47 48-63 64-79 80-95 96-111 112-127 128-191 192-255	White Lighting Gobo 1 Gobo 2 Gobo 3 Gobo 4 Gobo 5 Gobo 6 Gobo 7 Wheel CW Fast > slow Wheel CCW Fast >slow
CH9	CH9	CH11	Gobo Indexing Rotating	0-15 16-95 96-115 116-135 136-155 156-175 176-215 216-255	Stop Gobo Fine 0-360 Gobo Rotating 0-90 Gobo Rotating 0-180 Gobo Rotating 0-360 Gobo Rotating 0-720 Gobo self-rotating CW from slow to fast Gobo self-rotating CCW rotating from slow to fast
CH10	CH10	CH12	Iris	0-191 192-248 249-255	Iris from big to small Iris Pulse(slow to fast) Iris automatically shrink

CH11	CH11	CH13	Focus	0-255	focus from near to far
CH12	CH12	CH14	Prism	0-63 64-255	Open Prism In
CH13	CH13	CH15	Prism Rotation	0-15 16-136 137-255	Stop Rotate CW slow > fast Rotate CCW slow > fast
	CH14	CH16	Global Red	0-255	From dark to bright
	CH15	CH17	Global Green	0-255	From dark to bright
	CH16	CH18	Global Blue	0-255	From dark to bright
	CH17	CH19	Global Strobe	0-255	From slow to fast
		CH20	RGB LED1	0-255	From slow to fast
		CH21	RGB LED2	0-255	From dark to bright
		CH22	RGB LED3	0-255	From dark to bright
		CH23	RGB LED4	0-255	From dark to bright
		CH24	RGB LED5	0-255	From dark to bright
		CH25	RGB LED6	0-255	From dark to bright
		CH26	RGB LED7	0-255	From dark to bright
		CH27	RGB LED8	0-255	From dark to bright
		CH28	RGB LED9	0-255	From dark to bright
		CH29	RGB LED10	0-255	From dark to bright
		CH30	RGB LED11	0-255	From dark to bright
		CH31	RGB LED12	0-255	From dark to bright
CH14	CH18	CH32	Built-In Program	0-15 16-31 32-47 48-63 64-79 80-95 96-111 112-127 128-143 144-159 160-175 176-190 191-255	Single control LED Chase LED Run LED Jump LED edacity LED grouping Image 1 Image 2 Image 3 Image 4 Image 5 Image 6 Total program